

WHAT IS CLAIMED IS:

1. A light-sensitive detector comprising:

a photodetector;

a package on which said photodetector is mounted;

5 light-transmissible means for making detection light incident on a light-receiving surface of said photodetector; and

means, formed in said package at a position adjacent to said photodetector, for allowing transmission of light rays
10 substantially parallel to said detection light therethrough.

2. A light-sensitive detector according to claim 1, wherein said means allowing transmission of said light rays therethrough is a light-transmissible window including an aperture formed in a part of said package made of an opaque member, and a
15 light-transmissible member sealing said aperture.

3. A light-sensitive detector according to claim 1, wherein said means allowing transmission of said light rays therethrough is a light-transmissible member which forms at least one part of said package.

20 4. A light-sensitive detector according to claim 1, wherein said package and said light-transmissible means for making detection light incident on said light-receiving surface of said photodetector are integrally molded as a light-transmissible member.

25 5. An optical demultiplexer comprising:

a diffraction grating;

a light-sensitive detector; and

an optical system for making multiplexed light containing
a plurality of wavelengths incident on the diffraction grating
5 to obtain demultiplexed light, and for making the demultiplexed
light incident on a light-sensitive detector; wherein said
light-sensitive detector includes:

a plurality of photodetectors,

a package on which said photodetectors are mounted;

10 light-transmissible means for making said demultiplexed
light incident on light-receiving surfaces of said photodetectors;
and

means, formed in said package at a position adjacent to
said photodetectors; for allowing transmission of said multiplexed
15 light substantially parallel to said demultiplexed light so that
said multiplexed light is made incident on said diffraction grating
through said means for allowing transmission of said multiplexed
light.

6. An optical demultiplexer according to claim 5, wherein
20 said means for allowing transmission of multiplexed light is
a light-transmissible window including an aperture formed in
a part of said package made of an opaque member, and a
light-transmissible member sealing said aperture.

7. An optical demultiplexer according to claim 5, wherein
25 said means for allowing transmission of multiplexed light is

a light-transmissible member which forms at least one part of said package.

8. An optical demultiplexer according to claim 5, wherein said package and said light-transmissible means for making demultiplexed light incident on said light-receiving surfaces of said photodetectors are integrally molded as a light-transmissible member.

9. An optical demultiplexer according to claim 5, wherein said multiplexed light containing a plurality of wavelengths is supplied from an end surface of an optical fiber mounted close to said means for allowing transmission of multiplexed light.

10. A light-sensitive detector comprising:
a package having a first side and a second side opposite from the first side;
at least one photodetector sealingly disposed within said package;

a light transmissible portion defining a first optical path extending from said first side to said second side, and a second optical path extending from said second side to said photodetector.

11. A light-sensitive detector according to claim 10, wherein said light transmissible portion includes an aperture formed through said first side of said package, a first light transmissible member sealing the aperture, and a second light transmissible member provided as said second side of said package.

12. A light-sensitive detector according to claim 10,

wherein said light transmissible portion includes a first light transmissible member provided as said first side of said package and a second light transmissible member provided as said second side of said package.

5 13. A light-sensitive detector according to claim 10, wherein said light transmissible portion includes a light-transmissible resin molding the photodetector therein and forming at least a part of said package.

10 14. A light-sensitive detector according to claim 10, wherein said first optical path is substantially parallel to said second optical path.